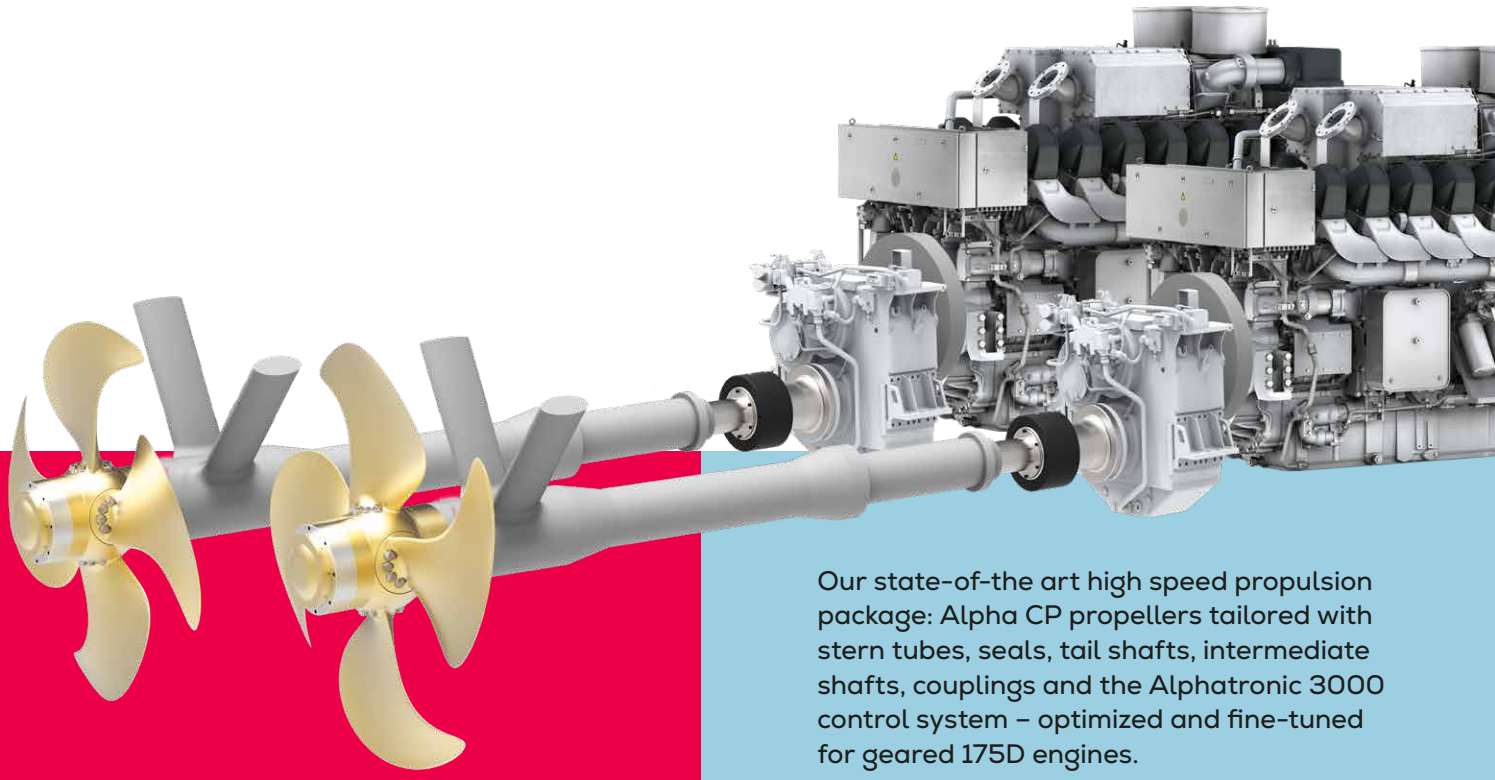
CP propellers



Our state-of-the art high speed propulsion package: Alpha CP propellers tailored with stern tubes, seals, tail shafts, intermediate shafts, couplings and the Alphatronic 3000 control system – optimized and fine-tuned for geared 175D engines.

Benefits at a glance

- High efficiency and low noise
- Low operational costs
- Low installation costs
- Superior package value

Everllence

Alpha CP propellers

for 175D engines

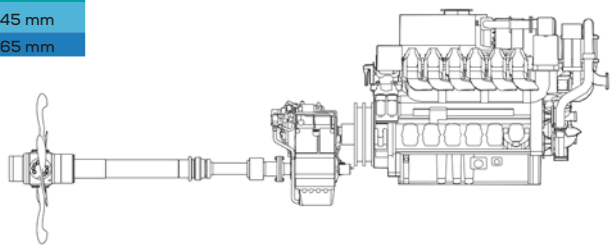
Engine	Output		Ship speeds [knots]							
Type	Power	RPM	30		25		20		15	
	[kW]	[r/min]	Recommended propeller diameters [mm]							
12V175D	1,740	1,800	1,400	1,500	1,600	1,700	1,800	1,950	2,050	2,200
12V175D	1,860	1,800	1,400	1,550	1,650	1,750	1,850	1,950	2,050	2,200
12V175D	2,040	1,800	1,450	1,550	1,700	1,800	1,850	1,975	2,100	2,225
12V175D	2,220	1,900	1,450	1,550	1,700	1,850	2,000	2,150	2,250	2,300
12V175D	2,220	1,800	1,450	1,600	1,750	1,850	1,900	2,000	2,150	2,250
12V175D	2,400	2,000	1,400	1,525	1,650	1,775	1,900	1,950	2,000	2,100
16V175D	2,720	1,800	1,525	1,675	1,800	1,950	2,050	2,100	2,200	2,350
16V175D	2,960	1,900	1,525	1,650	1,775	1,900	2,050	2,150	2,200	2,300
16V175D	2,960	1,800	1,550	1,700	1,850	1,975	2,100	2,175	2,200	2,350
16V175D	3,200	2,000	1,500	1,625	1,750	1,875	2,000	2,125	2,225	2,275
Reduction gear ratio			3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5

Engine	Output		Ship speeds [knots]							
Type	Power	RPM	30		25		20		15	
	[kW]	[r/min]	Recommended propeller diameters [mm]							
20V175D	3,400	1,800	1,625	1,750	1,900	2,025	2,150	2,275	2,325	2,400
20V175D	3,700	1,900	1,600	1,750	1,850	2,000	2,150	2,250	2,350	2,425
20V175D	3,700	1,800	1,650	1,775	1,925	2,050	2,200	2,325	2,400	2,450
20V175D	4,000	2,000	1,600	1,700	1,850	1,975	2,100	2,200	2,350	2,450
20V175D	4,400	2,000	1,650	1,800	1,900	2,000	2,200	2,250	2,400	2,500
Reduction gear ratio			3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5

Propellers for the 175D engines are optimized for a diesel-mechanical twin screw vessel operating at 85% engine rating. For engine versions and rating conditions, see the L175D four-stroke propulsion engines chapter. The standard propeller programme is dimensioned according to Lloyd's Register No Ice.

Standard shaft diameter:

- Ø 175 mm
- Ø 205 mm
- Ø 225 mm
- Ø 245 mm
- Ø 265 mm



Propulsion package heritage

Tradition, development and customization are the bedrock of Everllence's excellence in integrated propulsion packages. The first CPP package for a hot-bulb engine can be dated back to 1902.

The high speed package

The 175D based propulsion packages are characterized by all coreelements – such as main engines,reduction gearboxes, shaft lines, sterntubes, propellers and propulsioncontrol systems – being matched and optimized for integration into tailored solutions.

Owners' operating benefits

Optimal operating economy is ensured thanks to the optimized layout of engine, reduction gearbox, propeller, propulsion control and safety system.
Operating reliability, durability and predictable service intervals are assured by a tailored package solution.

Owners' service benefits

Service documentation, maintenance programs and spare parts catalogues for the propulsion equipment – available from one point of contact – is the basis for efficient service routines and identification of parts.

One service organization addressing all propulsion plant support requirements via the worldwide network of Everllence PrimeServ representatives, authorized workshops and service centers.

PrimeServ ASSIST can also be included in a service agreement. Our experts can analyze your engine data and can provide technical support and maintenance advice.

To ensure optimal operation, our PrimeServ ACADEMIES offer complete propulsion system instruction and training for engineers, operators and service staff.

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